

DAS 33 14-01-20
9-89 9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

| | | | | | | | | | | | | | | | | | | |
|--|--|--|--------------------------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|--|----------------------------------|--|------------------------------------|--|--------------------------------|------------------------------------|------------------------------------|-----------------------------------|--|
| Work Order: _____ Part No. _____ NCR No. _____ | DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/> | AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Quality <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> | |
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| Root Cause | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
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| Design | | | | | | | | | |
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Handling/Pre | | | | | | | | | |
| Material | | | | | | | | | |
| Operator | | | | | | | | | |
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| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Transport | | | | | | | | | |
| Unapproved | | | | | | | | | |

FAULT CATEGORY

| | | | |
|--|--|---|--|
| Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other |
|--|--|---|--|

Work Order ID 110298

December-17-13 9:20:24 AM

110298

Page 2

Item ID: D350-689-023

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Floor Provisions - Energy Attenuating Seat Compatible

Start Date: 12/17/13 Start Qty: 3.00 ***3***

Cust Item ID:

Required Date: 12/17/13 Req'd Qty: 3.00 ***3***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 120 | QC4- 100% Inspect kits for completeness | 0.00 | | | | | | | |
| *120* | | | | | | | | | |
| QC | Memo | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |
| 130 | | 0.00 | | | | | | | |
| *130* | Packaging | | | | | | | | |
| Packaging | Memo | 0.00 | | | | | | | |
| Packaging | Identify and pack for shipping as per PPP D350-689-023 | | | | | | | | |
| | Location: <u>P6041</u> | | | | | | | | |
| | PPP Rev: _____ | | | | | | | | |
| 140 | QC21- Final Inspection - Work Order Release | 0.00 | | | | | | | |
| *140* | | | | | | | | | |
| QC | Memo | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |

14-1-31 DAS
6
9-89

3

DAS
6
9-89

3

14-1-31

MCS 14-01-31

ME
14-1-31

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| Material | | | | | | | | | |
| Operator | | | | | | | | | |
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|--|--|---|--|

December-17-13 9:20:24 AM

Required Qty: 3.00

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|----------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|-----------------|-------------|--------------|---------------|----------------|-----------|
| D4575-1 Beam | | Manufactured | No | | | 110 | Each | 2.0000 | 1 | 3 | DAS 33 | | |
| 3 | DAS 6 9-89 | | | <u>Location</u> | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | 9-89 | | DAS 33 |
| | | | | ST176 | | 2 | | | | | | | |
| | | | | | 108117 | 2 | | | | | | | |
| D4575-3 Doubler | | Manufactured | No | | | 110 | Each | 18.0000 | 1 | 3 | DAS 33 | | |
| DAS 6 9-89 | | | | <u>Location</u> | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | 9-89 | | DAS 33 |
| | | | | ST176 | | 18 | | | | | | | |
| | | | | | 102798 | 12 | | | | | | | |
| | | | | | 107967 | 2 | | | | | | | |
| | | | | | 108754 | 4 | | | | | | | |
| D3027-7 Clip | | Manufactured | No | | | 110 | Each | 13.0000 | 4 | 12 | DAS 33 | | |
| DAS 6 9-89 | | | | <u>Location</u> | | <u>Loc Qty</u> | | <u>Loc Code</u> | | | 9-89 | | DAS 33 |
| | | | | ST023 | | 13 | | | | | | | |
| | | | | | 106800 | 13 | | | | | | | |
| D3811-041 Seat Track Assembly | | Manufactured | No | | | 110 | Each | 0.0000 | 1 | 3 | DAS 33 | | |
| DAS 6 9-89 | | | | | | | | | | | 9-89 | | DAS 33 |

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| Material | | | | | | | | | |
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| Offset/Setup | | | | | | | | | |
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|--|--|---|--|

Picklist Print

December-17-13 9:20:24 AM

Page 2

Work Order ID: 110298

Parent Item: D350-689-023

Start Date: 12/17/13

Required Date: 12/17/13

Parent Item Name: Floor Provisions - Energy Attenuating Seat Compatible

Start Qty: 3.00

Required Qty: 3.00

MS21042L3

Purchased

No

110

Each

6,342.0000

27

DAS
33
9-89

Nut

DAS
6
9-89

Location

Loc Qty

Loc Code

| | | |
|---------|------|--------|
| GA | 194 | |
| M126333 | 194 | |
| ST314 | 28 | |
| M126036 | 28 | |
| ST506 | 793 | |
| 123900 | 793 | |
| ST509 | 4000 | |
| M127304 | 1000 | 127304 |
| M127410 | 3000 | |
| ST510a | 1327 | |
| M126275 | 8 | |
| M126333 | 1319 | |

DAS
33
9-89

MS24694-S50

Purchased

No

110

Each

138.0000

27

DAS
33
9-89

Screw

DAS
6
9-89

Location

Loc Qty

Loc Code

| | | |
|---------|-----|--------|
| ST303 | 138 | |
| 125445 | 9 | |
| m126431 | 3 | |
| m127305 | 79 | 127305 |
| m127410 | 47 | |

DAS
33
9-89

NAS1149D0363J

Purchased

No

110

Each

4,179.0000

27

DAS
33
9-89

Washer

DAS
6
9-89

Location

Loc Qty

Loc Code

| | | |
|---------|------|--------|
| GA | 89 | |
| 124392 | 89 | |
| ST294 | 11 | |
| 113068 | 11 | |
| ST510a | 4079 | |
| m126319 | 4079 | 126319 |

DAS
33
9-89

December-17-13 9:20:24 AM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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|--|--|---|--|--|

110298
13-12-18
MCS

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-689 REV. B
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-689 REV. 1

REF. TCCA STC: SH02-33
REF. FAA STC: SR01620NY
REF. EASA STC: EASA.IM.R.S.01453
REF. TCA STC: 2005S03-09

1.0 PURPOSE

For D350-689-011/-013 at CHG 006/005 and later and D350-689-021/-023 Kits at CHG 005/004 and later, the D3026-1 Channel has been replaced with the D4575-1 Beam and D4575-3 Doubler and the D3234-3 Doubler has been removed. Consequently, the installation instructions for D350-689-011/-013 at CHG 006/005 and D350-689-021/-023 at CHG 005/004 are updated per Section 2.0 of this Service Instruction. The parts list update is shown in Section 4.0 of this Service Instruction. There is a negligible change to the weight and balance.

2.0 INSTALLATION CHANGES FOR D350-689-013

Section 3.9, *INSTALLATION OF D350-689-013 FLOOR PROVISIONS KIT* (pages 4 and 5 of IIN-D350-689), is changed as follows:

Item 3.3.15 is:

If there is an existing stringer at LBL 27.33, it will need to be removed from that location. Locate D4575-1 Beam, D4575-3 Doubler, and D3032-1 Spacer as shown in Figure 1 of this Service Instruction. Transfer drill existing holes from the aircraft floor to the D4575-1 Beam, D4575-3 Doubler, and D3032-1 Spacer. Ensure 1.0" to 1.5" rivet pitch and add additional holes if required. If there is no existing stringer, locate D4575-1 Beam, D4575-3 Doubler, and D3032-1 Spacer as shown in Figure 1 of this Service Instruction and drill Ø0.128" holes on a 1.0" to 1.5" pitch.

Note: Drill a Ø1.00" (Ø25.4 mm) hole in the D4575-1 Beam to clear extension tube of collective and cutout as required for clearance of collective opening and fwd bulkhead as shown in Figure 3 of this Service Instruction.

Item 3.3.15 was:

If there is an existing stringer at LBL 27.33, it will need to be removed from that location. Locate D3026-1 Channel as shown in Figure 4 and transfer existing holes from the aircraft floor to the D3026-1 Channel & D3032-1 Spacer. Ensure 1.0" to 1.5" rivet pitch and add additional holes if required. If there is no existing stringer, locate D3026-1 Channel & D3032-1 Spacer as shown in Figure 4 and drill Ø0.128" holes on a 1.0" to 1.5" pitch.

Item 3.3.17 is:

Counter sink holes in the D3032-1 Spacer for MS20426AD4 rivets. Install D4575-1 Beam, D4575-3 Doubler, and D3032-1 Spacer to floor using MS20426AD4 rivets.

Item 3.3.17 was:

Counter sink holes in the D3032-1 Spacer for MS20426AD4 rivets. Install D3026-1 Channel and D3032-1 Spacer using MS20426AD4 rivets.

Item 3.3.22 is:

Rivet D3234-1 Doubler to D3025-1 Beam as shown in Figure 7 using MS20470AD4 rivets. Continue at step 3.3.25.

Item 3.3.22 was:

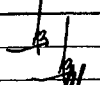

Rivet D3234-1 Doubler to D3025-1 Beam and D3234-3 Doubler to D3026-1 Channel as shown in Figure 7 using MS20470AD4 rivets. Continue at step 3.2.25.

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DAO # 01-O-01

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BY: 
D. SHEPHERD (DE # 02)

DATE: 12.11.09
CERT. NO.: SH02-33
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| B | CHANGES TO -013 KIT INSTALLATION. REF: CIR12-12. | MB | 12.11.09 |
| A | NEW ISSUE | MB | 11.12.22 |
| REV. | DESCRIPTION | BY | DATE |
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3.0 INSTALLATION CHANGES FOR D350-689-023

Section 3.9, *INSTALLATION OF D350-689-023 ENERGY ATTENUATING FLOOR PROVISIONS KIT* (pages 8 and 9 of IIN-D350-689), is changed as follows:

Item 3.9.8 is:

If there is an existing stringer at LBL 27.33, it will need to be removed from that location. Locate D4575-1 Beam and D4575-3 Doubler as shown in Figure 2 of this Service Instruction. Transfer drill existing holes from the aircraft floor to the D4575-1 Beam and D4575-3 Doubler. Ensure 1.0" to 1.5" rivet pitch and add additional holes if required. If there is no existing stringer, locate D4575-1 Beam and D4575-3 Doubler as shown in Figure 1 of this Service Instruction and drill Ø0.128" holes on a 1.0" to 1.5" pitch.

Note: Drill a Ø1.00" (Ø25.4 mm) hole in the D4575-1 Beam to clear extension tube of collective and cutout as required for clearance of collective opening and fwd bulkhead as shown in Figure 3 of this Service Instruction.

Item 3.9.8 was:

If there is an existing stringer at LBL 27.33, it will need to be removed from that location. Locate D3026-1 Channel as shown in Figure 4 and transfer existing holes from the aircraft floor to the D3026-1 Channel. Ensure 1.0" to 1.5" rivet pitch and add additional holes if required. If there is no existing stringer, locate D3026-1 Channel as shown in Figure 4 and drill Ø0.128" holes on a 1.0" to 1.5" pitch.

Item 3.9.10 is:

Attach D4575-1 Beam and D4575-3 Doubler to floor using qty (14) MS20426AD4 rivets.

Item 3.9.10 was:

Attach D4575-1 Channel to floor using qty (14) MS20426AD4 rivets.

Item 3.9.12 is no longer applicable:

~~Rivet D3234-3 Doubler to D3026-1 Channel as shown in Figure 7 using MS20470AD4 rivets.~~

Item 3.9.12 was:

Rivet D3234-3 Doubler to D3026-1 Channel as shown in Figure 7 using MS20470AD4 rivets.

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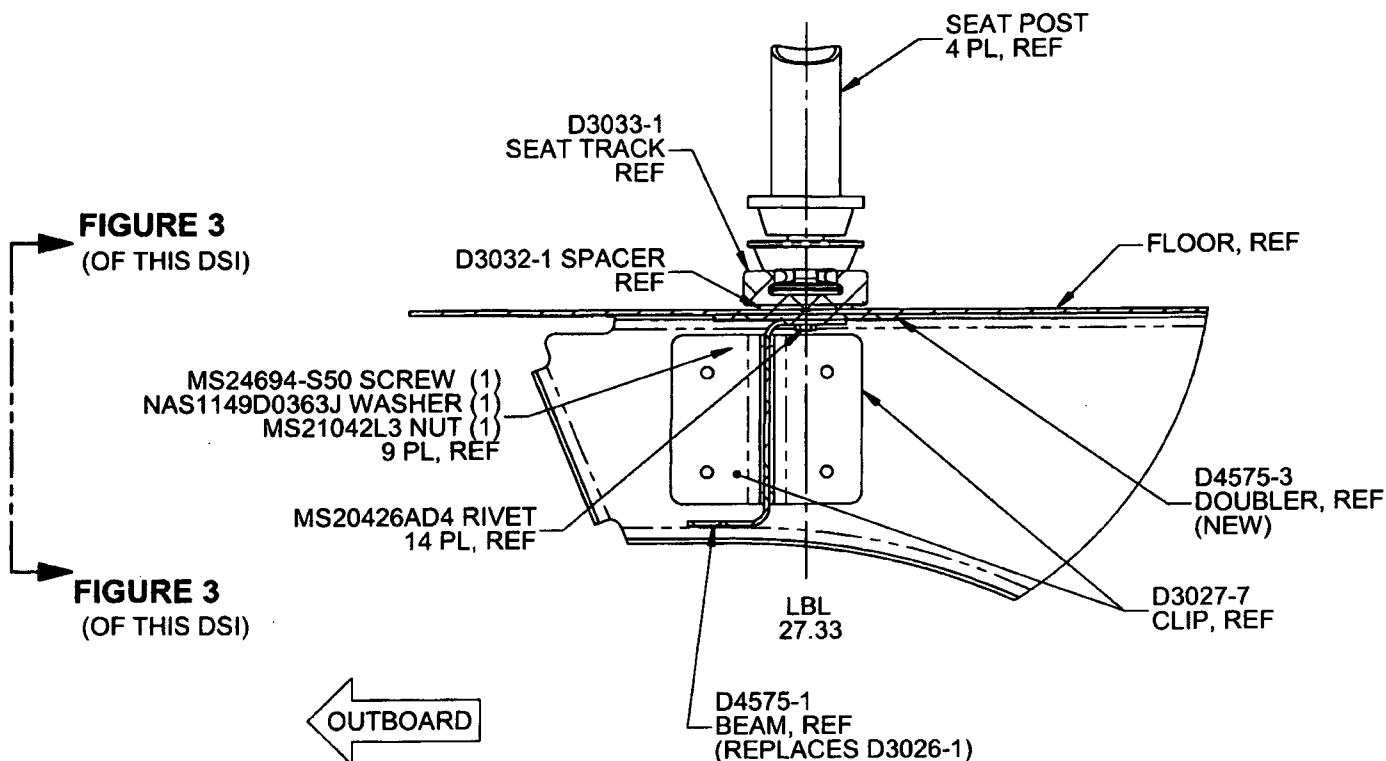
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CROSS SECTION VIEW F-F/M-M: From Figures 5 and 7 (IIN-D350-689)
CROSS SECTION VIEW F-F/M-M: From Figures 25-5 and 25-7 (ICA-D350-689)

FIGURE 1: UPDATES TO CROSS SECTIONS F-F AND M-M

With reference to Figures 5 and 7 of IIN-D350-689
 (Figures 25-5 and 25-7 of ICA-D350-689)

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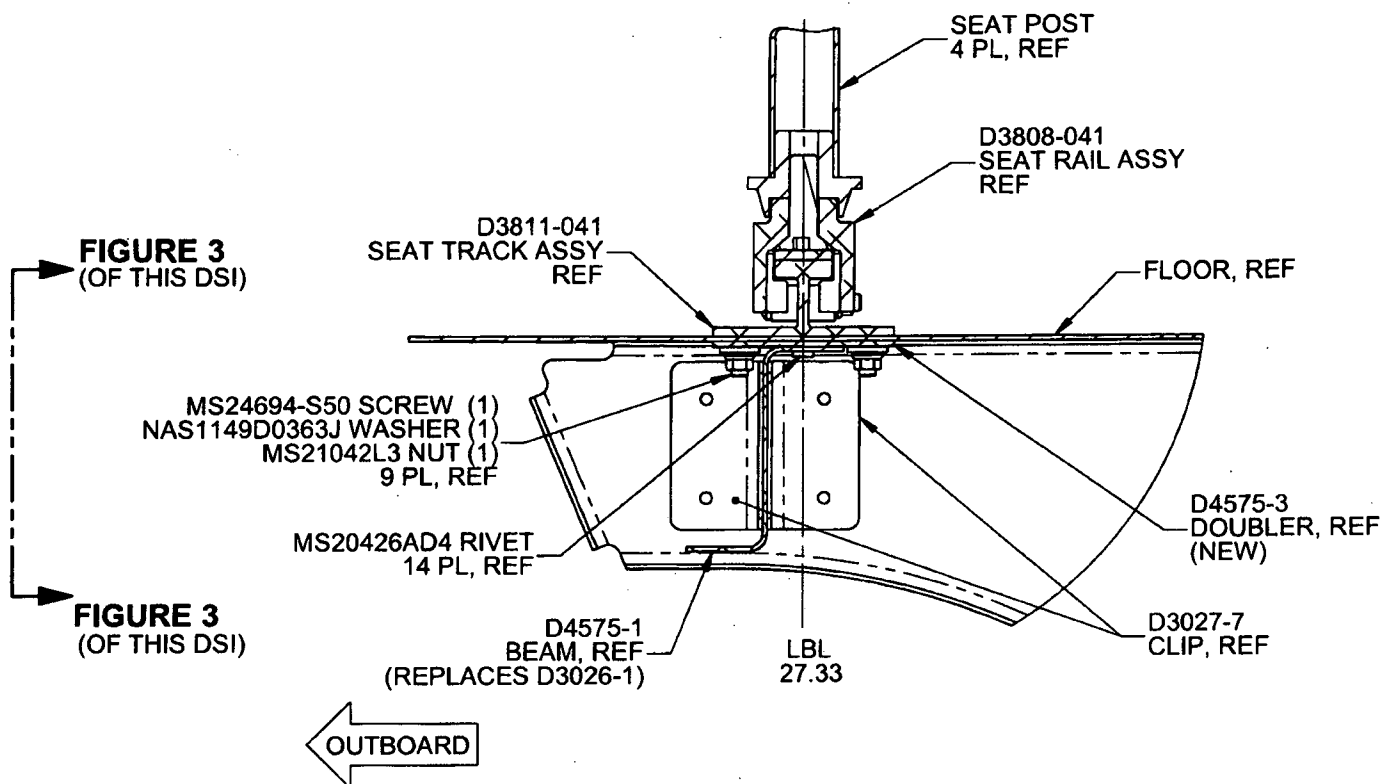


FIGURE 21: Cross Section View T-T from Figure 19 (IIN-D350-689)
FIGURE 25-21: Cross Section View T-T from Figure 25-19 (ICA-D350-689)

FIGURE 2: UPDATES TO FIGURE 21 (IIN-D350-689) AND 25-21 (ICA-D350-689)

With reference to Figures 19 and 20 of IIN-D350-689
 (Figures 25-19 and 25-20 of ICA-D350-689)

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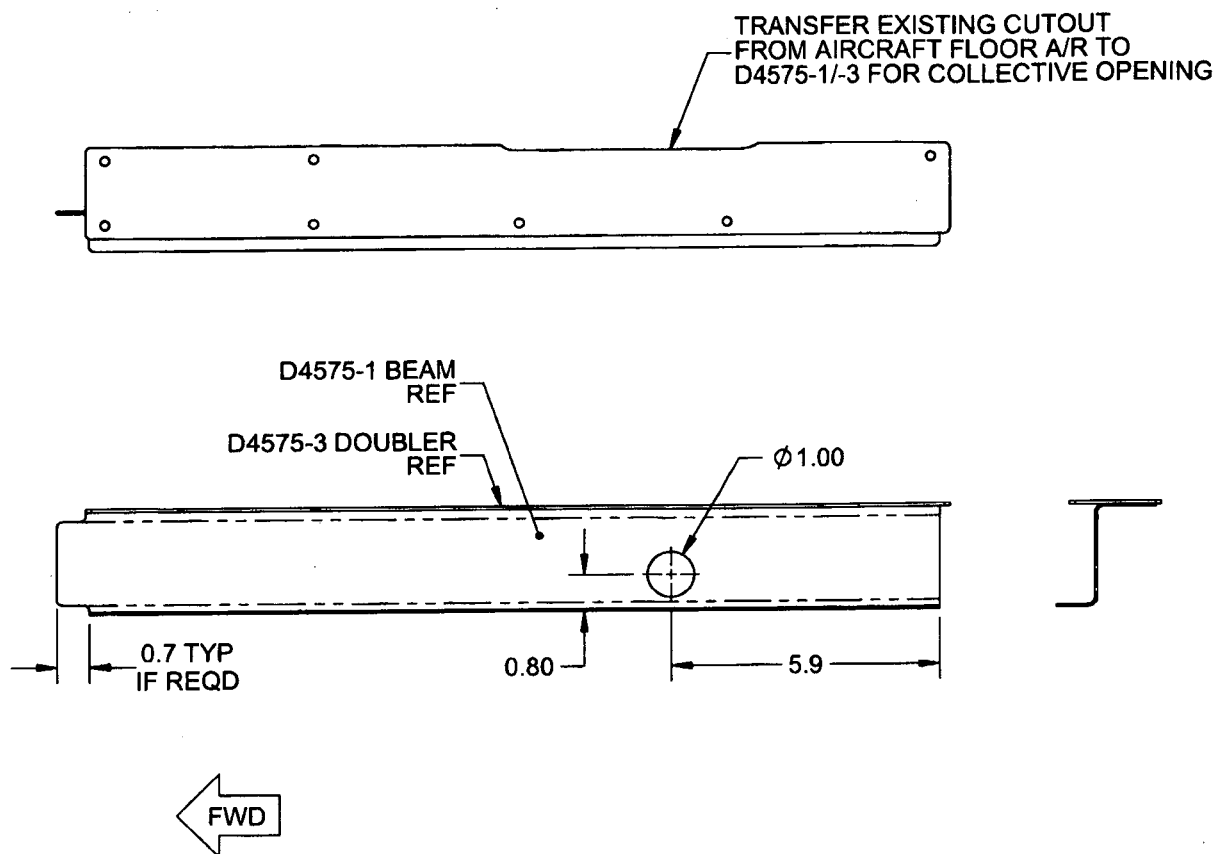


FIGURE 3: RELIEFS ON D4575-1/-3
(ONLY D4575-1/-3 SHOWN FOR CLARITY)
VIEW LOOKING INBOARD

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4.0 PARTS LIST CHANGE

The parts list of D350-689-021/-023 at CHG 005/004 or later is amended as follows:

5. PARTS LIST (IIN-D350-689) 25.10 PARTS LIST (ICA-D350-689)

IS:

| Qty -011 | Qty -013 | Qty -015 | Qty -017 | Qty -019 | Qty -021 | Qty -023 | Qty -041 | Qty -043 | Part Number | Description |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--|
| X | | | | | | | | | D350-689-011 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| 1 | X | | | | | | | | D350-689-013 | FLOOR PROVISIONS KIT |
| | | X | | | | | | | D350-689-015 | SEAT MODIFICATION KIT |
| | | | X | | | | | | D350-689-017 | SHOULDER HARNESS KIT |
| | | | | X | | | | | D350-689-019 | CONTROL GUARD KIT |
| | | | | | X | | | | D350-689-021 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| | | | | | 1 | X | | | D350-689-023 | ENERGY ATTENUATING FLOOR PROVISIONS KIT |
| 1 | | | | | | | X | | D350-689-041 | DUAL HIGH BACK SEAT ASSEMBLY |
| | | | | | 1 | | | X | D350-689-043 | DUAL HIGH BACK SEAT ASSEMBLY |
| | | | | | | | | | D3026-1 | CHANNEL (REMOVED) |
| | | | | | | | | | D3234-3 | DOUBLER (REMOVED) |
| | 1 | | | | | 1 | | | D4575-1 | BEAM (REPLACES D3026-1) |
| | 1 | | | | | 1 | | | D4575-3 | DOUBLER (NEW) |

WAS:

| Qty -011 | Qty -013 | Qty -015 | Qty -017 | Qty -019 | Qty -021 | Qty -023 | Qty -041 | Qty -043 | Part Number | Description |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--|
| X | | | | | | | | | D350-689-011 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| 1 | X | | | | | | | | D350-689-013 | FLOOR PROVISIONS KIT |
| | | X | | | | | | | D350-689-015 | SEAT MODIFICATION KIT |
| | | | X | | | | | | D350-689-017 | SHOULDER HARNESS KIT |
| | | | | X | | | | | D350-689-019 | CONTROL GUARD KIT |
| | | | | | X | | | | D350-689-021 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| | | | | | 1 | X | | | D350-689-023 | ENERGY ATTENUATING FLOOR PROVISIONS KIT |
| 1 | | | | | | | X | | D350-689-041 | DUAL HIGH BACK SEAT ASSEMBLY |
| | | | | | 1 | | | X | D350-689-043 | DUAL HIGH BACK SEAT ASSEMBLY |
| | 1 | | | | | 1 | | | D3026-1 | CHANNEL |
| | 1 | | | | | 1 | | | D3234-3 | DOUBLER |

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REFERENCE ONLY**4. WEIGHT AND BALANCE**

The following weight and balance information is for the Dart Dual High Back Seat Installation. The weight and balance of the parts that are removed from the aircraft to perform this installation are the responsibility of the installer.

| Installation | Weight | LATERAL | | LONGITUDINAL | |
|--|--------------------|---------------------|---------------------------|-------------------|--------------------------|
| | | Arm | Moment | Arm | Moment |
| D350-689-011 Dual High Back Seat Installation, Fwd Position | 27.6 lb 12.5 kg | -18.2 in -0.46 m | -502 in-lb -5.8 m-kG | 60.7 in 1.54 m | 1675 in-lb 19.3 m-kG |
| D350-689-013 Floor Provisions Kit, Fwd Position | 2.0 lb 0.9 kg | -18.2 in -0.46 m | -36 in-lb -0.4 m-kG | 60.7 in 1.54 m | 121 in-lb 1.4 m-kG |
| D350-689-011 Dual High Back Seat Installation, Aft Position | 28.1 lb 12.7 kg | -18.2 in -0.46 m | -511 in-lb -5.8 m-kG | 63.7 in 1.62 m | 1790 in-lb 20.57 m-kG |
| D350-689-013 Floor Provisions Kit, Aft Position | 3.1 lb 1.4 kg | -18.2 in -0.46 m | -56 in-lb -0.6 m-kG | 62.2 in 1.58 m | 193 in-lb 2.2 m-kG |
| D350-689-015 Seat Modification Kit | 1.0 lb 0.5 kg | -17.2 in -0.44 m | -17 in-lb -0.22 m-kG | 60.7 in 1.54 m | 61 in-lb 0.77 m-kG |
| D350-689-017 Shoulder Harness, Fwd Position | 4.4 lb 2.00 kg | -18.2 in -0.46 m | -80.1 in-lb -0.92 m-kG | 60.7 in 1.54 m | 267 in-lb 3.08 m-kG |
| D350-689-017 Shoulder Harness, Aft Position | 4.4 lb 2.00 kg | -18.2 in -0.46 m | -80.1 in-lb -0.92 m-kG | 64.7 in 1.64 m | 285 in-lb 3.28 m-kG |
| D350-689-019 Control Guard, Fwd Position | 0.5 lb 0.23 kg | -9.0 in -0.23 m | -4.5 in-lb -0.05 m-kG | 60.7 in 1.54 m | 30 in-lb 0.35 m-kG |
| D350-689-019 Control Guard, Aft Position | 0.5 lb 0.23 kg | -9.0 in -0.23 m | -4.5 in-lb -0.05 m-kG | 64.7 in 1.64 m | 32 in-lb 0.38 m-kG |
| D350-689-021 Dual High Seat Back Installation, LH Fwd Position | 29.2 lb 13.2 kg | -18.2 in -0.46 m | -531 in-lb -6.1 m-kG | 60.7 in 1.54 m | 1772 in-lb 20.3 m-kG |
| D350-689-021 Dual High Seat Back Installation, LH Aft Position | 29.2 lb 13.2 kg | -18.2 in -0.46 m | -531 in-lb -6.1 m-kG | 64.7 in 1.64 m | 1889 in-lb 21.6 m-kG |
| D350-689-023 Energy Attenuating Floor Provisions Kit | 2.5 lb 1.1 kg | -18.2 in -0.46 m | -46 in-lb -0.5 m-kG | 62.2 in 1.58 m | 156 in-lb 1.7 m-kG |

5. PARTS LIST

| Qty -011 | Qty -013 | Qty -015 | Qty -017 | Qty -019 | Qty -021 | Qty -023 | Qty -041 | Qty -043 | Part Number | Description |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|---|
| X | | | | | | | | | D350-689-011 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| 1 | X | | | | | | | | D350-689-013 | FLOOR PROVISIONS KIT |
| | | X | | | | | | | D350-689-015 | SEAT MODIFICATION KIT |
| | | | X | | | | | | D350-689-017 | SHOULDER HARNESS KIT |
| | | | | X | | | | | D350-689-019 | CONTROL GUARD KIT |
| | | | | | X | | | | D350-689-021 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| | | | | | 1 | X | | | D350-689-023 | ENERGY ATTENUATING FLOOR PROVISIONS KIT |
| 1 | | | | | | | X | | D350-689-041 | DUAL HIGH BACK SEAT ASSEMBLY |
| | | | | | 1 | | | X | D350-689-043 | DUAL HIGH BACK SEAT ASSEMBLY |
| | | | | | | | 2 | 2 | D3016-041 | SEAT FRAME ASSEMBLY |
| | | | | | | | 1 | 1 | D3017-041 | BACK FRAME ASSEMBLY |
| 1 | | | | | 1 | | | | D3018-1 | SEAT CUSHION |
| 1 | | | | | 1 | | | | D3019-1 | BACK CUSHION |
| | | | | | | | 1 | 1 | D3021-041 | TUBE ASSEMBLY |
| | | | | | | | 1 | 1 | D3022-1 | SEAT PAN |
| | | | | | | | 1 | 1 | D3023-1 | BACK PANEL |
| | | | | | | | 3 | 3 | D3024-1 | SPACER |
| | 1 | | | | | | | | D3025-1 | BEAM |

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Revision: **B**

Date: 11.07.22

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IIN-D350-689

Page 25 of 25

| Qty -011 | Qty -013 | Qty -015 | Qty -017 | Qty -019 | Qty -021 | Qty -023 | Qty -041 | Qty -043 | Part Number | Description |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|-------------------------|
| | 1 | | | | | 1 | | | D3026-1 | CHANNEL |
| | 1 | | | | | | | | D3027-1 | CLIP |
| | 1 | | | | | | | | D3027-3 | CLIP |
| | 1 | | | | | | | | D3027-5 | CLIP |
| | 4 | | | | | 4 | | | D3027-7 | CLIP |
| | | | | | | | 4 | | D3028-1 | STUD |
| | | 2 | | | | | 2 | | D3029-1 | SPRING |
| | | 2 | | | | | 2 | | D3030-1 | LOCK |
| | | | | | | | 2 | 2 | D3031-1 | LOOP |
| | 1 | | | | | | | | D3032-1 | SPACER |
| | 2 | 1 | | | | | | | D3033-1 | SEAT TRACK |
| | | 4 | | | | | | | D3059-1 | STUD |
| | | 4 | | | | | | | D3060-1 | BUSHING |
| | | 4 | | | | | | | D3061-1 | RADIUS BLOCK |
| | | | | 1 | | | | | D3084-3 | STRUT |
| | 1 | | | | | | | | D3234-1 | DOUBLER |
| | 1 | | | | | 1 | | | D3234-3 | DOUBLER |
| | 2 | | | | | | | | D3234-5 | SPACER |
| | | | | | | | | 2 | D3808-041 | SEAT RAIL ASSEMBLY |
| | | | | | | | | 4 | D3809-1 | SLIDING BLOCK |
| | | | | | | 1 | | | D3811-041 | SEAT TRACK ASSEMBLY |
| | | | 2 | | | | | | D4071-041 | SHOULDER HARDNESS ASSY |
| | | | | | | | 3 | 3 | AN3-12A | BOLT |
| | | | | 1 | | | | | AN4-12A | BOLT |
| | | | | 1 | | | | | AN4-20A | BOLT |
| | | | 2 | | | | | | AN5-4A | BOLT |
| | | | | | | | 40 | 40 | MS20600AD4W2 | RIVET |
| | | | | | | | 6 | 6 | MS20600AD4W3 | RIVET |
| | | | | | | 17 | 17 | MS21042L3 | NUT (OR MS21042-3) | |
| | | | | 2 | | | 6 | 6 | MS21042L4 | NUT (OR MS21042-4) |
| | | 4 | 2 | | | | | | MS21042L5 | NUT (OR MS21042-5) |
| | 12 | 4 | | | | | | | MS21059L3 | NUTPLATE |
| | | | | | | | 4 | 4 | MS24693-S272 | SCREW |
| | 2 | 1 | | | | | | | MS24693-S273 | SCREW |
| | | | | | | | | 8 | MS24694-S3 | SCREW |
| | | | | | | 19 | | | MS24694-S50 | SCREW |
| | | | | | | | | 4 | MS24694-S148 | SCREW |
| | 6 | 3 | | | | | | | MS27039-1-10 | SCREW |
| | | | | | | | 4 | 4 | MS27039-1-17 | SCREW |
| | | | | | | | 6 | 6 | MS27039-1-19 | SCREW |
| | | | | | | | 6 | 6 | MS27039-4-21 | SCREW |
| | 6 | 3 | | | | | 17 | 17 | NAS1149D0332J | WASHER (OR AN960JD10L) |
| | | | | | | 19 | | | NAS1149D0363J | WASHER (OR AN960JD10) |
| | | | | 8 | | | | | NAS1149D0416J | WASHER (OR AN960JD416L) |
| | | | | | | | 6 | 6 | NAS1149D0432J | WASHER (OR AN960JD416) |
| | | | 4 | | | | | | NAS1149D0516J | WASHER (OR AN960JD516L) |
| | | 4 | | | | | | | NAS1149D0563J | WASHER (OR AN960JD516) |
| | | | | 2 | | | | | NAS43DD4-46N | SPACER |

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Revision: B
Date: 11.07.22

4.0 PARTS LIST CHANGE

REFERENCE ONLY

The parts list of D350-689-021/-023 at CHG 005/004 or later is amended as follows:

5. PARTS LIST (IIN-D350-689) 25.10 PARTS LIST (ICA-D350-689)

IS:

| Qty -011 | Qty -013 | Qty -015 | Qty -017 | Qty -019 | Qty -021 | Qty -023 | Qty -041 | Qty -043 | Part Number | Description |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--|
| X | | | | | | | | | D350-689-011 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| 1 | X | | | | | | | | D350-689-013 | FLOOR PROVISIONS KIT |
| | | X | | | | | | | D350-689-015 | SEAT MODIFICATION KIT |
| | | | X | | | | | | D350-689-017 | SHOULDER HARNESS KIT |
| | | | | X | | | | | D350-689-019 | CONTROL GUARD KIT |
| | | | | | X | | | | D350-689-021 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| | | | | | | 1 | X | | D350-689-023 | ENERGY ATTENUATING FLOOR PROVISIONS KIT |
| 1 | | | | | | | | X | D350-689-041 | DUAL HIGH BACK SEAT ASSEMBLY |
| | | | | | 1 | | | X | D350-689-043 | DUAL HIGH BACK SEAT ASSEMBLY |
| | | | | | | | | | D3026-1 | CHANNEL (REMOVED) |
| | | | | | | | | | D3234-3 | DOUBLER (REMOVED) |
| | 1 | | | | | 1 | | | D4575-1 | BEAM (REPLACES D3026-1) |
| | 1 | | | | | 1 | | | D4575-3 | DOUBLER (NEW) |

WAS:

| Qty -011 | Qty -013 | Qty -015 | Qty -017 | Qty -019 | Qty -021 | Qty -023 | Qty -041 | Qty -043 | Part Number | Description |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--|
| X | | | | | | | | | D350-689-011 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| 1 | X | | | | | | | | D350-689-013 | FLOOR PROVISIONS KIT |
| | | X | | | | | | | D350-689-015 | SEAT MODIFICATION KIT |
| | | | X | | | | | | D350-689-017 | SHOULDER HARNESS KIT |
| | | | | X | | | | | D350-689-019 | CONTROL GUARD KIT |
| | | | | | X | | | | D350-689-021 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| | | | | | | 1 | X | | D350-689-023 | ENERGY ATTENUATING FLOOR PROVISIONS KIT |
| 1 | | | | | | | | X | D350-689-041 | DUAL HIGH BACK SEAT ASSEMBLY |
| | | | | | 1 | | | X | D350-689-043 | DUAL HIGH BACK SEAT ASSEMBLY |
| | 1 | | | | | 1 | | | D3026-1 | CHANNEL |
| | 1 | | | | | 1 | | | D3234-3 | DOUBLER |

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE #02)

DATE: 12.11.09
CERT. NO.: SH02-33
ISSUE NO.: 1

| | | | |
|------------|--------------------|---|--------------|
| DESIGN | <i>[Signature]</i> | DART AEROSPACE LTD | |
| DRAWN | <i>[Signature]</i> | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | <i>[Signature]</i> | DRAWING NO. | REV. B |
| MFG. APPR. | N/A | DSI 9588 | SHEET 6 OF 6 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
| DE APPR. | <i>[Signature]</i> | INSTALLATION CHANGE | NTS |
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